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MAY 2004

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The **FEMP MONTHLY UPDATE** is prepared expressly for the Department of Energy's Office of Federal Energy Management Programs (FEMP). The purpose of the **UPDATE** is to provide FEMP management staff with timely information on topics relevant to the program. This includes the status of pending Federal and state legislation and summaries of public and private sector energy-related activities. The **FEMP MONTHLY UPDATE** is prepared for FEMP by Energetics, Incorporated, (202) 479-2748.

DOE BULLETIN BOARD

Short Term Energy Outlook, Energy Information Administration (EIA), May 2004.

This month's Short-Term Energy Outlook reports motor gasoline prices will be higher than projected in last month's report. The national average expected for the summer has been raised to \$1.94 per gallon, whereas earlier it was projected to be \$1.76 per gallon. The increase in motor gasoline is directly related to the increase in crude oil. West Texas Intermediate climbed to \$39 per barrel during May, yet was only \$35 per barrel during April. Increases in demand and lower than expected imports are placing pressure on domestic producers. World surplus crude oil capacity during 2004 fell to the second lowest level in the last three decades. The lowest level of crude oil occurred during the loss of Iraqi and Kuwait oil in 1990-1991. World petroleum demand is forecasted to increase by an average of 260,000 barrels, or 1.3 percent, this year and by another 370,000 barrels per day in 2005.

Natural gas holds normal inventories. Natural gas demand is expected to increase by 1.3 percent as a result of high oil prices, economic growth, and tight coal markets. Electricity demand in 2004 is expected to increase as a result of economic growth and weather related increases.

WHAT'S NEW ON THE FEMP WEB SITE

The Denver Regional Office has compiled a list of the top 25 energy efficiency and renewable energy websites. See the list at www.eere.energy.gov/dro/top_websites.html.

overseas bases before closing domestic military facilities under the BRAC (Base Realignment and Closure) process. *S. 2400 – National Defense Authorization Act of 2005* calls for a new round of domestic base closures in FY 2005, while the House bill, *H.R. 4200* would require a two-year delay until 2007. For details on the military construction provisions in the bills, refer to the section on "Federal Agency Activities - "White House." This section describes the Administration's position on the two bills, including the White House's reaction to the provision on Energy Savings Performance Contracting.

Recreational Fee Demonstration Program On May 19, the Senate passed legislation to grant the National Park Service with permanent authority to collect entrance fees, which are used to cover maintenance projects and enhance visitor facilities. The Recreational Fee Demonstration program was established in 1996, and has been reauthorized a number of times; the last reauthorization extended the

CONGRESSIONAL **ACTIVITIES**

CONGRESSIONAL SCHEDULE

Congress will be on recess beginning the Monday, May 24 and will return following the Memorial Day Holiday.

- Refer to [Appendix A](#) for the Congressional Calendar of Events.

STATUS OF PENDING AUTHORIZATION BILLS OF INTEREST TO FEMP

Comprehensive Energy Legislation

In the Senate, the energy bill has evolved into two bills – (1) a tax incentive package, which has been passed by the Senate and is now under review in the House and (2) a policy/reauthorization bill, which includes provisions on Federal energy management and the Federal renewable purchase requirement. The House has yet to indicate its intentions regarding the Senate's energy tax proposal, which if enacted, has risen in cost to \$19.4 billion. Little progress has been achieved on the Senate's policy/reauthorization bill, since the House maintains that it will not approve energy legislation without an MTBE manufacturer liability protection provision, which is opposed by the Senate. No schedule has been set for a conference committee meeting between the House and Senate to address the policy/reauthorization provisions.

National Defense Authorization for FY 2005

Last week, the Senate narrowly defeated an amendment introduced by Trent Lott (R/MS) and Bryon Dorgan (D/ND) to require the closure of

program through January 1, 2006. Program budgeters estimate that the program could generate up to \$138 million in FY 2005; similar fees collected at U.S. Forest Service could result in \$46 million in additional funds in FY 2005. Bill sponsor Craig Thomas (R/WY) said, “My legislation provides a remedy to address the much needed funding to protect our nation’s treasures, and provides resources for badly needed improvement projects and ensures an enhanced experience for all visitors.” *S. 1107 – Recreational Fee Authority Act of 2004* allows the fee collection authority to lapse in 2005 for the Forest Service, the Bureau of Land Management, and the U. S. Fish and Wildlife Service. The bill directs that 80 percent of the fees are to projects at the collection site and the remaining 20 percent of fees are to be allocated by the Secretary of the Interior to other Park Service sites.

H.R. 3283 – Federal Lands Recreation Enhancement Act, was introduced by Representative Ralph Regula (R/OH), a member of the Committee on Appropriations, in October 2003. His bill grants permanent authority for the Recreational Fee Demonstration program for the National Park Service, the Bureau of Land Management, and the U.S. Fish and Wildlife Service, *H.R. 3283* was referred to the Committees on Resources and Agriculture, however, no further action has been taken in the House.

Energy Efficiency in the FY 2005 Budget On May 19, members of the House Subcommittee on Energy (Committee on Science) assembled a panel of outside experts to comment on the President’s FY 2005 budget for DOE’s energy efficiency and renewable energy program. Testimony was received by John Carberry, E.I. DuPont de Nemours and Company, Inc.; Steven Nadel, American Council for an Energy-Efficient Economy; Peter Smith, and New York State Energy Research and Development Authority; among others. Mr. Nadel expressed concern that the proposed 10 percent funding reduction could result in national laboratory staff layoffs. He said, “We are concerned that so many resources are going to fuel cells and hydrogen... We would urge this committee to weigh in with the appropriations committee.” Mr. Carberry addressed private investments made by DuPont to reduce energy use in the company’s facilities, which he said has dropped by 40 percent resulting in a cost savings of \$2 billion. The company plans to increase from four to 10 percent its purchase of energy from renewable energy sources by 2010. According to Mr. Smith, the State of New York has benefited from the New York Energy Smart Program and is purchasing over 41 MW of wind generation. Governor Pataki has requested that the New York State Public Service Commission investigate opportunities for establishing a renewable portfolio standard to require that 25 percent of the state’s electricity be procured from renewable energy sources. Mr. Smith stressed the importance of the partnership between the Federal and state governments to move such programs forward. He said,

“Setting a program platform at the Federal level and then allowing the States to act as an implementation partner is a perfect example of a productive Federal/State relationship. As long as there is an effective mechanism for feedback, the relationship works very well. The States have the knowledge necessary to reach the appropriate customer base, and understand any regional nuances related to effective implementation. The coordination of effort is vital to the success of the Federal/State Partnership. The States need to be fully involved with the implementation of Federal initiatives within their borders. Setting standards on the Federal level creates an even playing field for businesses that operate in multiple states. Individual States can act as proving grounds for Federal initiatives, and help assess the potential for replicability among other States. Ground level deployment is most effective when managed by the individual States.”

Subcommittee Chair Judy Biggert (R/IL) expressed support for Federal research and development programs that support energy efficiency and renewable energy. She said,

“We must continue to invest in research and development (R&D) programs if we are to encourage the development and rapid deployment of energy efficiency and renewable energy technologies. But we must do more than that. We must take stock of where we’ve been and where we are. More importantly, we must figure out where we want to go, and determine if existing federal R&D programs can get us there.”

Other Legislative Initiatives of Interest Refer to www.eere.energy.gov/femp/newsevents/congress_initiatives.html Legislative Databases for the status of pending energy-related legislation.

FY 2005 BUDGET RESOLUTION/ANNUAL APPROPRIATIONS

Last week, the House passed its version of the \$2.4 trillion *FY Budget Resolution* to fund both discretionary and non-discretionary programs and plans to begin marking up individual FY 2005 appropriations bills following the Memorial Day Holiday. The House has not revealed 302 (b) funding allocations for the 13 annual appropriations bills, but expects to do so when members return from their recess. The House is expected to begin subcommittee mark ups on several bills, possibly beginning with the *FY 2005 Appropriations for Interior and Related Agencies* followed by:

- Homeland Security
- Defense
- Military Construction

Senate Majority Leader Bill Frist (R/TN) decided to wait until after the Memorial Day Holiday recess to bring that chamber's version of the *FY 2005 Budget Resolution* to the Senate floor. The House and Senate bills differ in that the Senate requires "pay go" revenues to offset any tax incentives or tax cuts.

Conference Committee Negotiations

No activities of interest to report.

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FEDERAL AGENCY **ACTIVITIES**

DEPARTMENT OF DEFENSE (DOD)

No news of interest to report.

DEPARTMENT OF ENERGY (DOE)

Public Meeting on DOE's Energy Conservation Program for Consumer Products and Commercial and Industrial Equipment On June 9, 2004, from 9:00 a.m. to 4:00 p.m. the Office of Energy Efficiency and Renewable Energy will hold a public meeting to discuss priorities for establishing new standards for Consumer Products and Commercial and Industrial Equipment. The public meeting will also address whether to expand the scope of the program to include additional product categories. In holding the public meeting, DOE seeks public comment on criteria, data, and analysis methods that should be used to select future products. The meeting will be held at the Forrestal Building, Room 1E-245, 1000 Independence Avenue, SW. The public is asked to submit any follow-up comments in writing to DOE by Friday July 9, 2004. For further information, contact Barbara Twigg at (202) 586-9611 or Barbara.Twigg@ee.doe.gov.

New Interagency Natural Gas Task Force Secretary of Energy Spencer Abraham recently established a new task force to examine how to expand the supply of natural gas and ensure affordable prices. Task force members, which will include The Departments of Energy, Agriculture, Commerce, Homeland Security, and Interior as well as the Environmental Protection Agency and the Federal Energy Regulatory Commission, will consider short- and long-term strategies to achieve both goals. Members will review findings cited in the National Petroleum Council's *Natural Gas Study*, which was published in September 2003, and compare the results to initiatives laid out in the President's *National Energy Policy*. In announcing the task force, Secretary Abraham said,

“The National Petroleum Council’s [NPC] *Natural Gas Study* illustrates a fundamental shift in the natural gas supply and demand balance that has resulted in higher prices and volatility in recent years...The NPC report reminds us that America faces serious challenges concerning natural gas. These challenges affect all Americans, from senior citizens on fixed incomes struggling to pay their heating bills, to workers in natural-gas intensive industries. If we do nothing, the problems experienced in recent years will only get worse.”

Government representatives, industry, and the general public are encouraged to attend several public workshops to review recommendations from the 2003 NPC study. The first workshop will be held in Washington, DC on June 21; recommendations resulting from DOE's series of public workshops will be presented at a June 22 meeting of the National Petroleum Council.

Powerful Savings Program DOE and the Alliance to Save Energy (ASE) announced plans to collaborate on a program to encourage the public to save energy providing energy tips. The *Powerful Savings* program will include video and audio presentations and news releases created by ASE and DOE. Officials from the two organizations will also participate in a public speaking tour. Kateri Callahan of ASE said of the new program, “Energy efficiency is the quickest, cheapest, cleanest way to extend our nation’s tight energy supplies and decrease pollution simultaneously...The lingering memory of last August’s blackout, rising temperatures that will strain the electricity grid, and the start of the summer driving season with record-high pump prices, make this energy efficiency campaign not only timely but also imperative.” Acting Under Secretary and Assistant Secretary of Energy for Energy Efficiency and Renewable Energy David Garman said, “This new effort will be a coordinated campaign to help consumers make smart energy choices...“Energy efficient improvements and tips are easy ways for Americans to save energy and money in their homes and in their cars, which supports our economy and protects our energy security.” Examples of the type of information to be distributed through the program can be found at www.energysavers.gov and www.ase.org/powersmart/index.html.

Secretary Comments on Rising Cost of Imported Oil While attending meetings in London, Secretary Spencer Abraham cited the increase in world demand for fuel oil as the driving force for rising oil costs. He also cautioned that increased demand could have a negative impact on the growth of the world economy. He said, “There may be other factors, but we believe the issues of supply and demand are central to the way the market is behaving.” Following meetings in London, the Secretary traveled to Amsterdam to attend the International Energy Forum of oil producing and consuming nations.

DOE NATIONAL LABORATORY ACTIVITIES

Multiple Laboratories

New Centers of Excellence Established at DOE's National Laboratories DOE Secretary Spencer Abraham announced that DOE will provide over \$150 million to support President Bush's Hydrogen Fuel Initiative. The National Renewable Energy Laboratory, Los Alamos National Laboratory, and Sandia National Laboratory will collaborate on hydrogen storage projects in conjunction with academic institutions and industry. Secretary Abraham said, "In last year's State of the Union address, President Bush communicated his vision that the first car driven by a child born today could be fueled by hydrogen

and pollution free...The research projects announced today address the key technical and economic hurdle of hydrogen storage that must be overcome to make the President's vision a reality." The major focus of the hydrogen research program will be to develop a hydrogen-powered car that can travel over 300 miles without a reduction in size or weight capacity. The national laboratory "Centers of Excellence" were created by DOE, in part, as a result of recommendations cited in the National Academies report, *The Hydrogen Economy: Opportunities, Costs, Barriers and R&D Needs*, which recommended that DOE create partnerships for the transition to a hydrogen economy.

Sandia National Laboratory (SNL)

Energy Security of Electric Utilities and Gas Operations Sandia National Laboratory held a two-day seminar in early May to assess the energy security components of EnergyGard, a program designed to heighten the security of electric utilities and gas operations. Seminar funding and coordination was carried out by EnergyGard designer InfraGard, the Federal Bureau of Investigation, SNL, and the Public Service Company of New Mexico. Other participants included the Bonneville Power Administration and the New Mexico Office of Homeland Security, among others. Larry Moore of SNL said, "EnergyGard Southwest is an initiative in training and educating energy sector operators of our most important critical infrastructures throughout the region in best security practices." Program discussions focused on the electric grid and gas transmission reliability and vulnerability assessment techniques. For more information on successive workshops, visit www.infragardnm.org.

ENVIRONMENTAL PROTECTION AGENCY (EPA)

ENERGYSTAR®

ENERGYSTAR® Awards On April 28, the EPA presented awards to 13 small businesses and institutions for effectively promoting energy efficiency in small facilities, thereby reducing greenhouse gas emissions. Award recipients included Gregory Supply Company of Burlington, Vermont; Wingate Inn of Bozeman, Montana; T & Y Market of Sacramento, California; All Saints Parish of Brookline, Massachusetts; Advocacy of the Visual Arts of Gillette, Wyoming; Energy Trust of Portland, Oregon; Alliance for Climate Action, Burlington, Vermont; California Interfaith Power and Light, Sacramento, California; California Public Utility Commission, Sacramento, California; New Jersey Partnership for Environmental Quality, Trenton, New Jersey; Small Business Association of Michigan, Lansing, Michigan; National Grid, Westborough, Massachusetts; and United Illuminating Company, New Haven, Connecticut. For more information, visit www.energystar.gov/smallbiz or call 1-888-STAR-YES.

FEDERAL ENERGY REGULATORY COMMISSION (FERC)

Market-Based Electricity Pricing Test FERC has proposed a new test to determine which utilities will be allowed to charge customers market-based rates for electricity. The new test, which was released by FERC in April, is intended to prevent regulated utilities from charging unfair prices in regions where the companies have a dominant market share. FERC will conduct two market power analyses – a pivotal supplier analysis to assess an area's annual peak demand and a seasonally-based market share analysis. The purpose of the tests is to determine whether a region has enough generation market share for the utilities to set their own rates. Some utilities contend that this approach may create "fatal flaws" in market-based electricity pricing. In addition, some utilities claim that they were not given enough time to comment on the tests or provide recommendations. (Source: *Greenwire*, May 17, 2004)

GENERAL SERVICES ADMINISTRATION (GSA)

GSA Creates New Federal Supply Service (FSS) Center for Acquisition Excellence The FSS has established the Center for Acquisition Excellence to offer free training for several acquisition programs, including GSA Schedules, Global Supply, Government-Wide Acquisition Contracts, GSA Advantage!®, and e-Buy. The center is an online "e-Learning Center" that allows users to log on to enroll in online

training courses and view course materials, partnership information, and best practices information. Many of the online courses are eligible for Continuing Education Unit credits. Donna Bennet of the FSS said, "We are committed to providing the training and education necessary to arm the federal buying community with the tools and knowledge required to perform best-value acquisitions...The FSS Center for Acquisition Excellence increases the breadth and depth of GSA's successful U-MAS training program, by adding courses and online learning." The e-Learning Center was featured in a demonstration at the GSA Expo in Orlando on May 11-13. For more information, contact Viki Reath at wiki.reath@gsa.gov.

GSA Releases Federal Property Report On May 7, GSA announced in the *Federal Register* the publication of the agency's annual *Federal Property Profile Summary*. The report provides a summary overview of Federally owned assets as of September 30, 2003, which includes buildings, land, and structures. To obtain a copy of the report, visit the GSA website at www.gsa.gov/realpropertyprofile. For further information on the program, contact Stanley Langfeld at 202-501-1737.

WHITE HOUSE

Administration Reacts to House and Senate Defense Authorization Bills On May 19, the Office of Management and Budget released a "Statement of Administration Policy" on both *H.R. 4200* and *S. 2400* – *National Defense Authorization for FY 2005*. The statement references several sections of the two bills of interest to *FEMP Monthly Update* readers.

S. 2400 – National Defense Authorization Act of 2005 only:

Energy Savings Performance Contracting

The Administration would object to the movement of the Energy Savings Performance Contracts (ESPCs) authority from DOE to DOD. In addition, we would oppose the expansion of ESPC authorities to non-building applications since it is inconsistent with Federal fiscal and procurement policies. The Administration supports immediate extension of current authority for all agencies.

S. 2400 – National Defense Authorization Act of 2005 and H.R. 4200 – National Defense Authorization Act of 2005

Military Housing Privatization

The Administration urges Senate support in providing relief from the cap on budget authority on Military Housing Privatization Initiative projects. The Department expects to reach the current \$850 million cap on family housing in November 2004. It is essential to raise the cap to \$1.85 billion if the Department is to meet its 2007 goal of eliminating inadequate housing and improving the quality of life of its military families.

Transfer of Nebraska Avenue Complex

The Administration strongly urges expedited passage of free-standing legislation to transfer Ownership of the Nebraska Avenue Complex (NAC) from the Navy to the General Services Administration to allow for the consolidation of the Department of Homeland Security (DHS) Headquarters operations at the NAC. We are concerned that delaying the transfer would hamper DHS' mission to ensure our Nation's security, and we will continue to work with the Committee to resolve any outstanding concerns with pending transfer language.

BRAC

The Administration would strongly oppose any amendments to weaken, delay, or repeal The base realignment and closure (BRAC) authority passed by the Congress three years ago. [If the President is presented a bill that weakens, delays, or repeals the BRAC authority, the Secretary of Defense, joining with other senior advisors, would recommend that the President Veto the bill.](#) (Note: The House voted to delay the next round of base closures until 2007).

ATLANTA REGION

No new activities of interest to report.

BOSTON REGION

No new activities of interest to report.

CHICAGO REGION

No new activities of interest to report.

DENVER REGION

No new activities of interest to report.

PHILADELPHIA REGION

No new activities of interest to report.

SEATTLE REGION

No new activities of interest to report.

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STATE AND LOCAL GOVERNMENT ACTIVITIES

GENERAL ANNOUNCEMENTS

Daniel Kammen of the University of California-Berkeley's Goldman School of Public Policy recently published a new report describing the benefits of investing in renewable energy markets. Mr. Kammen states that an investment of \$300 billion over the next 10 years would create millions of new jobs, expand the economy, and reduce the threat of global warming. Referred to as the "New Apollo Energy Project" by Representative Jay Inslee (D/WA), Mr. Kammen's proposal includes the following initiatives:

- Require a 10 percent investment tax credit for renewable energy systems or combined heat and power systems with an overall efficiency of at least 60 to 70 percent.
- Establish a Federal renewable portfolio standard of 20 percent by 2020, to help build renewable energy markets.

- Finance a public benefits fund through a \$0.002/kWh charge on all electricity sales; the fund could match state resources to expand energy efficiency programs, low income services, the deployment of renewables, and research and development.
- Support policies mandating energy efficiency, green building standards, and sustainable transportation.

In his report, Mr. Kammen reveals that 188,000 to 240,000 new jobs would be created as a result of developing the renewable energy market. In addition, the U.S. foreign trade deficit would also drop. Representative Inslee calls the project "a bold, new energy policy that will marshal the resources of the federal government to provide a vision" for reducing reliance on the importation of oil. He also said, "Across a wide range of assumptions and approaches, these studies confirm that supporting renewable and efficient energy systems will create more American jobs than would a comparable investment in traditional fossil fuel based systems." U.S Senator Maria Cantwell (D/WA) also supports the findings of the Kammen report. (Source: *Environment News Service*, April 14, 2004)

ATLANTA REGION

No news of interest to report.

BOSTON REGION

► *General State Activities*

Connecticut Governor John Rowland (R) mandated through *Executive Order 32*, that by 2010, 20 percent of the power procured for state agencies will be derived from renewable resources; the purchase requirement increases to 50 percent by 2020 and 100 percent by 2050. The order follows the City of New Haven's success earlier this year; New Haven is the first city in the state to require that 20 percent of its energy be derived from renewable sources by 2010. SmartPower, a marketing firm, is promoting throughout the state, the benefits of switching to power generated from renewable resources. Brian Keane of SmartPower said, "Governor Rowland's Executive Order helps prove to the nation that clean energy is real; it's here; and it's working. If more state and business leaders followed Governor Rowland's lead on this issue our children's health will be improved, more clean, renewable sources would be developed, and our reliance on foreign oil will be reduced." (Source: *Clean Edge News*, April 27, 2004)

CHICAGO REGION

No news of interest to report.

DENVER REGION

► *General State Activities*

On May 14, Colorado Governor Bill Owens (R) dedicated the 162 MW Colorado Green wind farm and commemorated the date as "Colorado Wind Energy Day." Governor Owens said, "Affordable, reliable power is essential to consumers and businesses in Colorado. The Colorado Green wind farm is an example of how Colorado uses its abundant natural resources to provide power to its citizens." Colorado is the nation's eighth largest producer of wind power, generating 223 MW of wind power. The state has several programs in place to support the production and use of wind power, including a voluntary "green pricing" program, which serves 40,000 energy users with 60 MW of wind power. The state also hosts several renewable development and education organizations. Key state organizations include the National Renewable Energy Laboratory in Golden, which promotes wind energy research and

development and the State of Colorado's Office of Energy Management and Conservation, which promotes wind energy education and outreach. (Source: *Business Wire*, May 13, 2004)

PHILADELPHIA REGION

► *General State Activities*

Energy Systems Group, LLC will install HVAC system controls at Norfolk State University (NSU) as part of a long-range strategic plan to improve energy efficiency and reduce energy consumption on campus. The university is Virginia's first advanced education institution to implement *Executive Order 54*, which encourages state agencies to reduce energy use and increase efficiency. Russ Nelson of the Energy Systems Group said, "We are excited to join with NSU to be the first public university to apply this executive order to improve energy efficiency in Virginia. NSU will save over \$250,000 each year which can be used to fund NSU's primary mission of education." Construction will begin immediately and will be completed by the end of 2004. Other energy reduction strategies on campus include improving lighting and water use. (Source: *PRNewswire-FirstCall*, April 15, 2004)

SEATTLE REGION

► *General State Activities*

Idaho Power has been approved by the Idaho Public Utilities Commission to purchase wind power from a 9 MW wind facility in Montana. The wind farm, which will be constructed this summer and operated by United Materials of Great Falls, Inc., will provide Idaho Power with electricity under a 20-year contract. Northwestern Energy will wheel the power through its transmission lines from Montana to Idaho. (Source: *Idaho Statesman*, May 4, 2004)

Residents and businesses in San Francisco are now eligible to receive financing for renewable energy and energy conservation projects through the state's Community Choice program. On May 11, the San Francisco Board of Supervisors (SFBS) approved legislation authorizing the financing program. The state law, *AB117*, mandates an energy independence ordinance requiring municipalities to draft Implementation Plans and Request for Proposals (RFP) for soliciting new electric service providers. The purpose of the RFP is to identify sources that can provide 360 MW of solar photovoltaic power, fuel cells, wind turbines, and other energy efficiency and conservation technologies beginning in 2005. This renewable allotment exceeds the state Renewable Portfolio Standard. Paul Fenn of Local Power said, "What is more, after it is paid off, this infrastructure will continue to provide power to San Franciscans at considerably lower rates for decades...Energy independence offers San Franciscans permanent protection against future energy crises, and hard savings that cannot be taken away." The Sierra Club, Sacramento Solar Program, and Greenpeace have expressed support for the program. (Source: www.solarbuzz.com)

The Sacramento Municipal Utility District (SMUD) will issue a solicitation to purchase renewable electric power and identify renewable projects. SMUD plans to procure 10 percent of its electricity requirements from renewable resources by 2006, and 20 percent by 2011. By the end of 2011, SMUD hopes to procure through its Greenenergy and renewable portfolio standard programs, 1,840 kWh of electricity generated from renewable resources. To accomplish this, SMUD created an Electronic Bid Solicitation System website (subcategory: Renewable Power) where energy project developers and providers can review the Request for Proposals (RFP) and Greenenergy requirements and register their companies in order to receive SMUD RFPs. (Source: SolarAccess.com)

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UTILITIES AND SUPPLIER ACTIVITIES

GENERAL ANNOUNCEMENTS

► *Restructuring Activities*

The Southeastern Electric Reliability Council (SERC) has endorsed a Regional Compliance and Enforcement Program (RCEP), which requires member utilities to face penalties if they do not comply with electric reliability standards approved by the North American Electric Reliability Council (NERC). Utilities that have signed the RCEP agreement include Duke Power, Entergy, Southern Company, the Tennessee Valley Authority, and Dominion. Terry Boston of SERC said, "We believe that enforceable reliability standards are an enhancement to the SERC processes and serve to minimize the possibility of system disruptions...Following on the lessons learned from the blackout investigations, SERC is voluntarily implementing this program to require compliance with electric reliability standards and provide for their enforcement through penalties for its participating members when they are not in compliance." SERC oversees the reliability of power supply for 13 states in the southeast. For more information on the RECP, contact William Reinke at wreinke@serc1.org or 704-875-1726.

Commonwealth Edison of Chicago attached its network of transmission lines to the PJM Interconnection in early May. The extended market's peak demand rose to 87,000 MW and now serves 35 million customers in Illinois, the District of Columbia, Delaware, Maryland, New Jersey, Ohio, Pennsylvania, Virginia, and West Virginia. The PJM Interconnection will manage the wholesale electric flow, but ComEd will remain the owner of the transmission lines and associated facilities. Betsy Moler of Exelon said, this "is ideal for stimulating and supporting the area's overall economic recovery as customers have access to the strongest wholesale electricity market in the country." (Source: *Greenwire*, May 3, 2004)

ATLANTA REGION

► *Restructuring Activities*

MacDill Air Force Base in Tampa, Florida, plans to privatize the base's electric, water, and wastewater systems in order to save \$327 million each year and enhance utility services. The effort is in response to a memorandum issued in December 2002 by Deputy Defense Secretary Paul Wolfowitz stating that, "Utilities privatization is the preferred method for improving utility systems and services by allowing military installations to benefit from private sector financing and efficiencies." Tampa Electric sells electric power to MacDill and last September placed a bid to purchase and operate the base's electric distribution system. Ross Bannister of Tampa Electric Company said the purchase would be "an opportunity to improve our customer service to one of our good customers." The utility would also gain revenue from fees associated with the 265 electric meters on the base, rather than charging for just one as they do now. MacDill Air Force Base covers 5,630 acres and includes 624 buildings. (Source: *Tampa Tribune*, April 15, 2004)

BOSTON REGION

► *Public Benefits*

The Conservation Services Group (CSG) will assist customers of ISO New England to reduce their energy reliance by 4 MW through the installation of energy efficiency measures in schools, commercial facilities, and warehouses in southwestern Connecticut. CSG will incur the savings by offering incentives to building owners to install energy-efficient lamps and fixtures over the next 18 months. Stephen Cowell of CSG said, "We realize that energy efficiency can't do it alone...but it is

certainly one of the cleanest and most economic ways to help reduce stress on the system and ensure reliability.” ISO New England Executive Director Daniel Sosland said, “[This contract is] "nationally significant recognition of the power of energy efficiency... There is an enormous market for energy efficiency that we have only begun to tap...Energy efficiency can provide enormous benefits by relieving bottlenecks in our electric system and ensuring the reliable supply of power to our homes and businesses. It can do this while holding down the price of electricity and cleaning the air." (Source: *Environment News Service*, April 28, 2004)

Select Energy and Community Energy Inc. will collaborate to provide businesses in upstate New York with the NewWind Energy ® product. The product, which is produced from a wind farm located near Wethersfield, New York, is already available to the General Services Administration at the Binghamton, New York, Federal Building. The building is the first Federal site to be powered solely by wind-generated electricity; the wind purchase offsets 772,000 pounds of carbon dioxide. Stephen Fabiani of Select Energy said of the expanded marketing initiative, "More businesses are exploring ways to make environmentally conscious choices in their energy sources. We offer the opportunity to secure competitively-priced, reliable power with a 'green' component that's tailored to meet the customer's needs." For more information on how to procure the NewWind Energy ® product, call (888) 758-6888.

A judge's ruling in a financial dispute between the Virginia Electric Power Company and New York State over violations of the *Clean Air Act* has resulted in a \$2.1 million settlement that will be used to install solar energy systems on the state's government buildings. The New York Energy Research and Development Authority (NYSERDA) will receive \$300,000 of the settlement to administer the program. Ryan Moore of NYSERDA said that the "funds will probably be used to complement [the New York Energy Smart New Construction Program administered by NYSERDA]." The Energy Smart program assists developers of renewable projects to pay for their projects; the program provides financial assistance of up to \$240,000 per project. Projects developed in New York City or Long Island are eligible to receive \$20,000 in additional assistance. For more information on the program, visit www.nyserdera.org and click on "Funding Opportunities." (Source: *The Saratogan*, May 5, 2004)

CHICAGO REGION

► *Restructuring Activities*

Michigan Public Service Commission Chairman J. Peter Lark recently said on behalf of the commission, "I am cautiously optimistic" that there will be no electricity blackouts this summer for customers in Michigan. However, he maintained that the electric grid may fail for two reasons: first, because the Federal Government has not passed mandated reliability standards and current standards are "clearly inadequate to protect Michigan or the nation's citizens." Secondly, Detroit Edison has revealed that it may not have the capacity to deliver customers the requisite amount of power during this summer's peak load periods. Although the Michigan PSC has made several improvements in the operation and monitoring of its electric grid following the Midwest blackout last August, Joe Welch International Transmission Co., the transmission operator that owns the electricity lines in southern Michigan, released a statement saying, "We don't see much activity coming out of the other utilities out there... We don't see the fundamental infrastructure added that should be added." Detroit Edison may invoke a voluntary interruption program to reduce pressure on the grid. (Source: *Detroit Free Press*, May 14, 2004)

DENVER REGION

► *Public Benefits*

Green Mountain Energy Company provided at no cost to the City of Dallas, Texas, a one-day renewable power donation of 77,000 kilowatt-hours of wind-derived electricity to power the city's municipal buildings. The renewable power donation, which was provided to observe Clean Air Month, was generated from 160 wind turbines at the utility's Brazos wind farm. Laura Miller, Mayor of Dallas

said, "This is a great example of the private and public sector working together to address a serious issue in the city of Dallas... With the beginning of ozone season and Clean Air Month, this is an important time to remember what Dallas can do to help improve air quality and lower the number of air pollution watch and warning days this summer." (Source: *PRNewswire*, May 5, 2004)

Xcel Energy may issue a Request for Proposals for 500 MW of renewable-derived electricity by 2013, if the utility's proposal is accepted by the Colorado Public Utilities Commission. Xcel assessed over 100 resource mix alternatives and found that the least-cost plan for procuring electricity over the next several years would be to purchase new natural gas capacity, offer more demand reduction programs to customers, and procure additional green power. Xcel has requested approval to issue RFPs for the purchase of wind and solar-generated electricity in July, given the pending legislation to renew the Federal wind production tax credit. The number of customers served by Xcel has increased by 20 percent over the past 10 years, and their individual electricity requirements have grown by 60 percent over the same period of time. (Source: *Refocus Weekly*, May 12, 2004)

PHILADELPHIA REGION

► *Restructuring Activities*

According to the Pennsylvania Public Utility Commission (PUC), the electric transmission grid serving the state has not been adequately safeguarded to prevent a power blackout this summer. PUC Chairman Terrance Fitzgerald recently presented testimony to a Senate committee investigating blackout prevention and electric service reliability measures. In his remarks he said, "We need to do everything we reasonably can to prevent [blackouts]." The PUC and the state legislature have investigated various utilities owned by FirstEnergy Corporation to determine if, at the time of last August's blackout, the company met the PUC's reliability standards. Frank Koza of PJM, said, "Regional planning is essential [the RTO] balance[s] supply second by second." Mr. Fitzgerald said that smart long-range planning and investment in transmission infrastructure is necessary; a complete revamp of the grid is unnecessary. Federal Energy Regulatory Commissioner Nora Mead Brownell disagrees and said that the transmission infrastructure is "not capable of supporting a digital economy over a long period of time." (Source: *Pittsburgh Post-Gazette*, April 15, 2004)

1st Rochdale Cooperative Group has provided WorldWater Corporation a \$377,500 grant to develop solar photovoltaic projects in the State of New York. Anand Rangarajan of WorldWater said, "The combination of our technology and project implementation expertise, together with 1st Rochdale's aspiration to provide green power to its customer base, is expected to bring cost effective solar power solutions to thousands of customers." 1st Rochdale was the country's first urban electric cooperative. (Source: www.worldwater.com)

SEATTLE REGION

► *Restructuring Activities*

The California Independent System Operator (ISO) recently released a forecast predicting that this summer the California electricity grid may experience record levels of demand. ISO Officials say the grid has 873 MW less power available than last summer, despite the fact that this summer, electric demand will reach new peak levels. Gregg Fishman of the ISO said, "Load growth typically in California is about 2 to 2 1/2 percent... This year, we're expecting about a 4 percent increase. We assume there is some economic recovery going on, and that's part of it. That's good but it has some implications for power use." The report to be released by the ISO predicts that the state will reach peak demand in August at a level of 44,422 MW; hotter temperatures and wildfires could cause the demand to spike at any point in time. Other factors affecting the breakdown of the electric grid include the fact that several older power plants have been shut down, and residential and commercial development in warmer areas of the state may pose problems. Jan Smutny-Jones of Independent Energy Producers said, "The report shows there is

a need to start building out some new energy capacity in California... People need to get busy putting out bids to get some power plants built." However, California Energy Commission spokesperson Claudia Chandler noted that the state currently has much better electricity supplies than during the electricity crisis of 2000-2001; after the crisis, nearly 11,000 MW of power were added to the grid. Jennifer Ramp of PG&E pointed out that demand-side management is effective in reducing demand: "Each year, we're seeing an increase in demand...but we have lots of rebates for our customers to replace older appliances." (Source: *San Jose Mercury News*, April 15, 2004)

Western Wind Energy Corporation will construct a 400 MW Kingman wind power project near Arizona's Hoover Dam. The wind-generated power will serve Federal facilities located on Federal land spanning 22,000 acres. Alternate sources of power in the west are necessary due to recurring water shortages and associated decline in electric generation. Five transmission lines will interconnect with the project to allow renewable energy to be promoted to energy markets in Nevada and California as well. According to officials at the Western Wind Energy Corporation, the power purchase agreement is the first by a public company to be executed with a regulated Arizona utility. (Source: *SolarAccess.com*, May 13, 2004)

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PRIVATE SECTOR

GENERAL ANNOUNCEMENTS

No news of interest to report.

ATLANTA REGION

No news of interest to report.

BOSTON REGION

Genzyme Corporation has opened a new headquarters, the "Genzyme Center," equipped with sustainable design features in East Cambridge, Massachusetts. Genzyme has applied for a U.S. Green Business Council platinum rating, the highest level obtainable. The building is powered by steam, which is generated by a nearby power plant. The windows are equipped with reflective blinds and 800 windows are automated to open and close for ventilation. Plants and soil have been installed on the rooftop to capture rainwater, which is directed into the building's climate control system. Waterless urinals save a gallon of water per use while toilets give employees an option of flushing with 0.8 gallons or 1.6 gallons. (Source: *Washington Post*, April 24, 2004)

CHICAGO REGION

No news of interest to report.

DENVER REGION

Since 2001, the Socorro Independent School District (SISD) of southeastern El Paso County, Texas, has retrofitted facilities within the district system to conserve water. For example, SISD replaced manual, one gallon-per-flush units with seven units of Falcon Waterfree urinals in the restrooms of the Aquatic Center. The result was a 15 to 20 percent decrease in the overall use of the center's water. The Socorro Stadium was updated with 14 urinals that showed the same water savings. In addition two elementary schools were completely retrofitted with ten urinals each, replacing outdated high-flow valves

and fixtures. SISD estimates a savings of \$100 to \$200 per urinal per year. (Source: *Environmental Design + Construction*, May 2004)

PHILADELPHIA REGION

The World Bank has partnered with Armstrong Industries, Centennial, and Capitol Building Supply to recycle 50,000 ceiling tiles. Armstrong Ceiling Systems program recycles old tiles as raw material in the manufacture of new acoustical ceilings. Tiles are first verified as recyclable and then packaged in pallets and placed in a full trailer load holding 30,000 square feet. Due to the large volume, the bank could not fill a trailer in one round of tile removal. Therefore the bank worked with Capitol Building Supply to hold pallets of discarded tile until the full volume acceptable by Armstrong was reached. Luis Descaire, Director of the World Bank's General Services Department, commented, "This is exactly the type of innovative program we want to implement as part of the Bank's Greening Program, especially because it fits in so well with our overall environmental initiatives." (Source: *Environmental Design + Construction*, May 2004)

SEATTLE REGION

Three soon to be completed Silicon Valley Habitat for Humanity (SVHfH) homes located in Santa Clara, California, will be completed in June and include photovoltaic systems. REgrid Power designed and installed a solar electric system in a Habitat for Humanity project in the California town of Los Gatos. "The organization gives new low-income homeowners an opportunity to discover the joys of self-initiative, self-respect and working with others to create something great - their own homes," REgrid Power President Tom McCalmont said, "while raising the awareness of the environmental impact of building houses." REgrid Power will install a 1.8-kW and 2.4-kW system in the two smaller, three-bedroom houses, offsetting up to 100 percent of electric bills. The larger, four-bedroom house will receive a 3.3-kW system, which is designed to offset up to 100 percent of the electric bills. Funding for the project was made possible through a substantial discount offered by REgrid, the City of Santa Clara's Affordable Housing Fund, the Federal Home Investment Partnership Act Fund, and Silicon Valley Power Public Benefits. (Source: *SolarAccess.Com News*, May 6, 2004)

The first compressed hydrogen fueling station for public use will be built at Los Angeles International Airport. Through a three-year lease, Praxair, Inc. will design, engineer, equip, and construct the \$1.5 million facility to reflect the design of a commercial automobile fueling station. "The demonstration fueling station places Los Angeles World Airports and the City of Los Angeles at the forefront of the public's adoption of zero-emission, hydrogen-fuel technology," said Los Angeles World Airports Interim Executive Director Kim Day. "This further demonstrates our commitment to improving air quality by identifying and replacing traditional fossil-fuel-powered vehicles and equipment with alternative-fuel vehicles wherever possible." The new facility also supports the Federal FreedomCAR and Fuel Initiative. (Source: *SolarAccess.Com News*, May 5, 2004)

Sierra Nevada Brewing Company of Chico, California, is taking advantage of the California Public Utilities Commission's Self Generation Incentive Program. Sierra Nevada will receive 40 percent in funding to transform the brewery into a fuel cell power plant. The brewery intends to install four 250-kW fuel cells to provide electric power and heat for the production processes. Sierra Nevada hopes to make its wastewater treatment process energy neutral, in order to consume as much power as the company generates. The company hopes to use methane from anaerobic digester gas that is created by the grain and wastewater byproducts of the brewing process. The rolling blackouts of 2000, which impacted the brewery's level of production, served as a catalyst for switching to distributed generation. (Source: www.wired.com, May 5, 2004)

Antelope Valley Transit Authority, serving the high desert communities of Antelope Valley, California, is now outfitted with a photovoltaic carport, which was designed and installed by Global Solar Energy. The 11,000 square foot roof top was completed in March 2004. The structure has a dual

purpose of generating 190,000 kWh from the solar electric system, resulting in reduced electric bills, and providing shade to an area that frequently reaches 100 degrees in the summertime. The system will offset the production of more than 200,000 pounds of greenhouse gasses each year by reducing dependence on fossil fuels. (Source: *Global Solar News*, May 19, 2004)

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MEETINGS, CONFERENCES, AND TRAINING WORKSHOPS

- Refer to [Appendix B](#) – New Technologies
- Refer to [Appendix C](#) – Calendar of Upcoming Events.

MULTIPLE REGIONS

The Association of Energy Engineers currently offers four online seminars of interest to readers. Two seminars, **3D Load Profiling Using Interval Meter Data and Commercial HVAC Fundamentals** will be held on **June 21** and two other seminars, **Microturbines and Fuel Cells** will be held on **July 8** and **July 9**. The 3D Load Profiling Using Interval Meter Data seminar offers an understanding of electrical loads and strategies for cutting energy costs. The Commercial HVAC Fundamentals seminar covers HVAC energy efficiency improvement opportunities and economic and saving assessments. The Microturbines seminar provides a review on turbine technology and the development, function, and importance of microturbines. The Fuel Cell seminar covers an overview, available technologies, economic assessments, and ongoing developmental programs on fuel cells. For more information, go to www.aeecenter.org/training or www.aeecenter.org/realtime.

ATLANTA REGION

No new events of interest to report.

BOSTON REGION

Reminder → The U.S. Department of Energy in concert with the Department of Defense and the General Services Administration is sponsoring **Energy 2004** in Rochester, New York, on **August 8-11**. **Energy 2004** offers a myriad of networking opportunities with energy professionals from throughout the U.S. and provides information on the latest strategies and products for saving energy in buildings. One of the many features of the conference will include a **Federal Energy Management Advisory Committee (FEMAC) public meeting on August 9**. The purpose of the public meeting is to obtain Energy 2004 participant input on a range of issues critical to meeting mandated Federal energy management goals. For a description on the public meeting, visit www.energy2004.ee.doe.gov.

CHICAGO REGION

The Department of Energy's Federal Energy Management Program and the General Services Administration are sponsoring a series of four workshops entitled, **"FEMP Building Energy and Water Conservation,"** in **June and July**. The focus of the day and a half workshop series is to present overviews and strategies to improve energy and water efficiency. Topics include lighting, indoor and outdoor water conservation, renewable energy alternatives, building operations and maintenance, and heating and cooling systems. Workshops have been scheduled for June 16-17 in Madison, Wisconsin; June 21-22 in Detroit, Michigan; June 23-24 in Des Moines, Iowa; July 26-27 in Cleveland, Ohio; and

July 28-29 in Minneapolis, Minnesota. For more information, visit www.eere.energy.gov/cro/events.html.

DENVER REGION

The Environmental Protection Agency is sponsoring the EPA Community Involvement Conference in Denver, Colorado, on June 15-18. The conference will cover environmental public education and community involvement activities and programs. For more information, visit www.epancic.org/2004/overview.cfm.

The Western Governors' Association is sponsoring their Annual Meeting in Santa Fe, New Mexico, on June 20-22. The meeting covers strategies to ensure secure and adequate supplies of energy in an environmentally friendly manner. For more information, visit www.westgov.org/wga/meetings/am2004.htm.

PHILADELPHIA REGION

The Department of Energy's Federal Energy Management Program (FEMP) is sponsoring a public meeting for the Federal Energy Management Advisory Committee (FEMAC) in Washington, D.C., on June 9. The public meeting will cover a review of FEMP activities, a summary of accomplishments from the FEMAC working groups, a discussion on FEMAC priorities, and votes on working group reports and recommendations. For more information, visit www.gpoaccess.gov/fr/index.html. The Department of Energy's Federal Energy Management Program in cooperation with the Philadelphia Regional Office is holding a workshop titled, "Meeting Federal Renewable Energy Goals," in Philadelphia, Pennsylvania, on June 15. The workshop will include an overview of renewable requirements and progress to date; options and opportunities for renewable power purchases and on-site projects in DOE's Mid-Atlantic Region, including details on how to purchase renewable power for a Federal facility; State Incentive Programs and Case Studies; and a "provider panel" with information on resources that energy managers can use to pursue a renewable power purchase. For more information and online registration go to www.eere.energy.gov/femp/newsevents/fullevent.cfm?calendarID=247&c=1.

The Department of Energy's Building Energy Codes Program is holding 2004 National Workshop on State Building Energy Codes in Philadelphia, Pennsylvania, on July 19-22. The workshop provides states, industry, code proponents, and stakeholders an opportunity to learn about a variety of energy codes and standards-related topics. For more information, visit www.energycodes.gov/news/2004_workshop.

SEATTLE REGION

The McAdams Group is hosting Funding Green Buildings: Sources and Strategies in Scottsdale, Arizona, on June 4. The workshop provides strategies for optimizing green-building related financing, capital campaigns, and grant writing. For more information, visit www.fundinggreenbuildings.com.

The American Solar Energy Society, the Arizona Department of Commerce, and ETA Engineering among others are sponsoring the 2004 Southwest Sustainability Expo in Flagstaff, Arizona, on August 4-7, 2004. The conference will cover energy-saving programs, policies, and incentives. For more information, visit www.sustainabilityexpo.com.

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STUDIES, REPORTS, AND ANALYSES

FEDERAL FACILITIES – CONSTRUCTION AND RENOVATION

Military Housing – Further Improvements Needed in Requirements Determinations and Program Review, General Accounting Office, May 2004

The report, which was prepared for the Secretary of Defense, examined whether (1) DOD's reliance on community housing is cost-effective, (2) if DOD's revised housing requirements have resulted in consistent and reliable needs assessments, and (3) if the agency's top-level review of construction proposals can be improved. GAO provided a number of recommendations, including a more consistent top-level review for military privatization and construction proposals. To view the report, go to www.gao.gov. Report number is GAO-04-556.

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APPENDIX A

HEARINGS SCHEDULE

HOUSE – APPROPRIATIONS

No hearings, mark ups, or votes of interest have been scheduled.

HOUSE – AUTHORIZATIONS/OVERSIGHT

Date/Committee	Chair	Hearing Title/Issues	Witnesses	Time/ Location
May 28 – Subcommittee on Energy Policy, Natural Resources and Regulatory Affairs (Committee on Government Reform)	Doug Ose (R/CA)	Field hearing – “Easing Pain at the Gasoline Pump: Finding Solutions for Western Woes”	N/A	10:00 am Henderson, Nevada
(NEW)				

SENATE – APPROPRIATIONS

No hearings, mark ups, or votes of interest have been scheduled.

SENATE – AUTHORIZATIONS/OVERSIGHT

No hearings, mark ups, or votes of interest have been scheduled.

CONFERENCE COMMITTEE NEGOTIATIONS/FLOOR VOTES

No activities of interest have been scheduled.

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APPENDIX B – NEW TECHNOLOGIES

For informational purposes only. Listing does not imply endorsement.

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
HVAC			
3-D Energy Recovery Heat Pipe	Heat Pipe Technology Inc.	Transfers energy between air streams in all seasons with no tilt mechanism and saves costs by using outdoor air for ventilation during moderate seasons.	www.heatpipe.com
Axiom™ Geothermal Heat Pump	Trane	Efficient environmental heating and cooling system. Utilizes minimal electricity to power the water pumps and boilers.	www.trane.com
Residential Gas High Efficiency Water Heaters	Lochinvar Corp.	Available in 30, 40, and 50 gallon storage capacities. Models exceed NAECA and ASHRAE Energy Efficiency Standards and meet requirements for Title 24 of the California Energy Commission.	www.lochinvar.com
LIGHTING			
Direct Burial Floodlight	Lighting Systems	Offers floodlighting solution for sensitive architectural designs where above-grade floodlights would detract from the purity of the building site.	www.ltgsys.com
ECST™	Encelium Technologies Inc.	Integrated lighting control and energy management system consisting of a microprocessor-based hardware device for integration with network server. Reduces lighting related energy costs by 65-80% and provides average payback energy savings of 1-3 years.	www.encelium.com
ENERGY MANAGEMENT TOOLS			
RightEnergy	E-Mon	Integrated energy software system allows users to allocate bill costs for utility services. Provides real-time monitoring of power quality parameters with data accessibility through a modem and Microsoft Windows 2000 or higher.	www.emon.com

TECHNOLOGY	MANUFACTURER	MANUFACTURERS CLAIM	CONTACT
MISCELLANEOUS			
Rockton™ 12" Rough-in Toilet Tank with Dual Force Technology™	Sterling	Flushes 1.6 gallons or 0.8 gallons, providing a combination of water savings and powerful, single-flush performance.	www.sterlingplumbing.com
Primeboard® Inc. Premium Blend Particleboard	PrimeBoard	Constructed from annually renewable resources such as wheat and sunflower byproducts and bound with MDI resins producing a board with no volatile organic compounds.	www.primeboard.com
Ecostar™ Power Converter	Ballard Power Systems	75kW power converter for photovoltaic applications. Combines inverter and transformer efficiency, offers easy installation, provides improved reliability, and results in reduced payback period for product investment compared to incumbent technologies.	www.ballard.com
Reflective Coatings (RC 2000)	Inland Coatings	Rubber coatings provide waterproofing, energy savings, and corrosion protection on interior and exterior roofs and walls. Provides summer surface temperature reductions, great adhesion, 1,500 pounds tensile strength, Class A fire rating, long-term weather resistance and low permeability.	www.inlandcoatings.com
Eco-Shake	Re-New Wood Inc.	Roofing material comprised of 100% recycled materials, reinforced vinyl and cellulose fiber. Designed to resemble and replace wood shake shingle. Material can be used both indoors and outdoors, is lightweight, durable, and requires no maintenance.	www.ecoshake.com

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APPENDIX C

MEETINGS, CONFERENCES, AND OTHER EVENTS

NOTE: New events are highlighted in **blue**.
DOE-sponsored events are highlighted in **green**.

FEMP Training Calendar: www.eere.energy.gov/femp/newsevents/training.cfm

GENERAL ANNOUNCEMENTS

DATE	EVENT	SPONSOR
June 1, 2004	Performance Contracting 2004 Teleconferencing Session	Association of Energy Engineers
June 9, 2004	Strategic Energy Planning Online Session	Association of Energy Engineers
June 21, 2004	3D Load Profiling Using Interval Meter Data	Association of Energy Engineers
June 21, 2004	Commercial HVAC Fundamentals	Association of Energy Engineers
July 8, 2004	Microturbines Seminar	Association of Energy Engineers
July 9, 2004	Fuel Cells Seminar	Association of Energy Engineers

ATLANTA REGION

DATE	EVENT	SPONSOR
June 15-17, 2004	Hydrogen and Fuel Cells Summit VIII Coral Gables, Florida	Pacific Northwest National Laboratory
September 16, 2004	Anatomy of a Green Lease Workshop Atlanta, GA	The Corporate Realty, Design, & Management Institute

BOSTON REGION

DATE	EVENT	SPONSOR
June 8-9, 2004	Utility Energy Services Contracting Projects Workshop Cambridge, MA	Department of Energy's Federal Energy Management Program
July 14-15, 2004	Life-Cycle Costing (Combined: Basic & Project Oriented) Boston, MA	Department of Energy's Federal Energy Management Program
July 20-22, 2004	FedFleet 2004: The Road to the Future is Now New York, NY	General Services Administration and the Federal Fleet Policy Council

DATE	EVENT	SPONSOR
August 8-11, 2004	Energy 2004	Department of Energy, Department of Defense, and General Services Administration
September 9, 2004	Anatomy of a Green Lease Workshop Boston, MA	The Corporate Realty, Design, & Management Institute

CHICAGO REGION

DATE	EVENT	SPONSOR
June 16-17, 2004	Operations and Maintenance Management Madison, WI	Department of Energy's Federal Energy Management Program
June 21-22, 2004	FEMP Building Energy and Water Conservation Workshop Detroit, MI	Department of Energy's Federal Energy Management Program
June 23-24, 2004	FEMP Building Energy and Water Conservation Workshop Des Moines, IA	Department of Energy's Federal Energy Management Program
July 26-27, 2004	FEMP Building Energy and Water Conservation Workshop Cleveland, OH	Department of Energy's Federal Energy Management Program
July 28-29, 2004	FEMP Building Energy and Water Conservation Workshop Minneapolis, MN	Department of Energy's Federal Energy Management Program
July 28, 2004	Anatomy of a Green Lease Workshop Minneapolis, MN	The Corporate Realty, Design, & Management Institute
October 4, 2004	Labs21 High Performance, Low-Energy Design Course St. Louis, MO	Department of Energy and the Environmental Protection Agency

DENVER REGION

DATE	EVENT	SPONSOR
June 2, 2004	Hands-On Distributed Energy Resources Training Albuquerque, NM	Department of Energy's Federal Energy Management Program
June 15-18, 2004	EPA Community Involvement Conference Denver, CO	Environmental Protection Agency
June 20-22, 2004	Western Governors' Association Annual Meeting Santa Fe, NM	Western Governors Association
June 25-27, 2004	7 th Annual Colorado Renewable Energy Society Renewable Energy Conference Denver, CO	Colorado Renewable Energy Society

DATE	EVENT	SPONSOR
July 26, 2004	Anatomy of a Green Lease Workshop Kansas City, MO	The Corporate Realty, Design, & Management Institute
August 28- September 3, 2004	World Renewable Energy Congress VIII and Expo Denver, CO	Department of Energy, American Council on Renewable Energy, Xcel Energy, World Renewable Energy Network and others
September 15- 16, 2004	Hands-On Distributed Energy Resources Training Albuquerque, NM	Department of Energy's Federal Energy Management Program
September 22-24, 2004	27 th World Energy Engineering Congress & High Performance Facilities Expo Austin, Texas	Association of Energy Engineers and Austin Energy
October 5, 2004	Anatomy of a Green Lease Workshop Houston, TX	The Corporate Realty, Design, & Management Institute
October 27, 2004	Anatomy of a Green Lease Workshop Denver, CO	The Corporate Realty, Design, & Management Institute

PHILADELPHIA REGION

DATE	EVENT	SPONSOR
June 9, 2004	Federal Energy Management Advisory Committee Public Meeting Washington, D.C.	Department of Energy's Federal Energy Management Program
June 15, 2004	Meeting Federal Renewable Energy Goals Workshop Philadelphia, PA	Department of Energy's Federal Energy Management Program and Philadelphia Regional Office
June 23, 2004	Evolving Energy Markets Washington, D.C.	Department of Energy's Federal Energy Management Program
June 27-30, 2004	2004 Future Car Congress Washington, D.C.	Department of Energy and United States Council for Automotive Research
July 7-8, 2004	Implementing Renewable Energy Projects Annapolis, MD	Department of Energy's Federal Energy Management Program
July 20-21, 2004	Introduction to ESPC Washington, D.C.	Department of Energy's Federal Energy Management Program
July 19-22, 2004	National Workshop on State Building Energy Codes Philadelphia, PA	Department of Energy's Building Energy Codes Program
July 21, 2004	Measurement & Verification for Super ESPC Projects	Department of Energy's Federal Energy Management Program

DATE	EVENT	SPONSOR
September 13, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute
September 15, 2004	Anatomy of a Green Lease Workshop Washington, D.C.	The Corporate Realty, Design, & Management Institute

SEATTLE REGION

DATE	EVENT	SPONSOR
June 3-4, 2004	Greening Rooftops for Sustainable Communities Portland, OR	City of Portland, Oregon and Green Roofs for Healthy Cities
June 3, 2004	Anatomy of a Green Lease Workshop Seattle, WA	The Corporate Realty, Design, & Management Institute
June 4, 2004	Funding Green Buildings: Sources and Strategies Scottsdale, AZ	McAdams Group
June 23, 2004	Labs21 High Performance, Low-Energy Design Course Santa Barbara, CA	Department of Energy and the Environmental Protection Agency
June 16-17, 2004	West Coast Energy Management Conference Anaheim, CA	Association of Energy Engineers
June 27-30, 2004	District Energy/CHP 2004: IDEA's 95 th Annual Conference and Trade Show Seattle, WA	International District Energy Association & Seattle Steam Company
July 9-14, 2004	SOLAR 2004 Portland, OR	Department of Energy, Energy Trust of Oregon, and Eugene Water and Electric Board
August 4 -7, 2004	Southwest Sustainability Expo Flagstaff, AZ	American Solar Energy Society, Arizona Department of Commerce, ETA Engineering and others
October 7, 2004	Anatomy of a Green Lease Workshop Phoenix, AZ	The Corporate Realty, Design, & Management Institute
October 11, 2004	Anatomy of a Green Lease Workshop San Francisco, CA	The Corporate Realty, Design, & Management Institute
October 14, 2004	Anatomy of a Green Lease Workshop Los Angeles, CA	The Corporate Realty, Design, & Management Institute

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